

Abstract

The invention relates to an electric sub-assembly comprising conductor tracks on its upper and lower faces and non-plated holes (2), the hole (2) in the printed circuit board having predetermined dimensions (D2) and at least one sub-section of the contact pin (1) being oversized ($D1.1 > D2$) in a defined manner in relation to the dimensions (D2) of the hole, in order to form a press connection. The length (l1) of the contact pin (1) that can be introduced is greater than the depth (l2) of the opening (2), so that the contact pin (1), once pressed into the hole, passes through the printed circuit board (2) and projects beyond the latter in the introduction direction.

According to the invention, only a first partial length (l1.1) of the contact pin (1) is oversized (D1.1) in relation to the hole (2) and a second partial length (l1.2) that lies in front of the first partial length is undersized ($D1.2 < D2$) in relation to the dimensions of the hole (D2). The first partial length (l1.1) is smaller than the depth (l2) of the hole (2) of the printed circuit board, in such a way that once the pin has been introduced, at least one part of the second partial length (l1.2) remains in the hole.

Electrical contact between the contact zones is made by the contact pin, whose oversized part (D1) contacts the edge (3.2) of the contact zone (3) on the face lying in the introduction direction, once the pin has been pressed into the hole. The pin is then preferably cold-welded in a gas-tight manner and flow soldered to the contact zone (6) on the opposite face.